Weekly Report

1. Done

1.1. Add new features and polish the system style for eBusinessVis.

1.2. Contact the summer intern to inform him what to be studied and what to be done.

1.3. Have several talks with the Singapore students and provide some suggestions.

1.4. Prepare group report on AmbiguityVis and write the blog..

1.5. Help Zhu Minfeng write poster.

1.6. Attend the lecture from Professor Li (Zhenhui (Jessie) Li) and share my note with Xia Jing.

Note:

Professor Li introduced a lot about their work related to analysis social relationship based on trajectory data, POI data, news and SNS data. I only list the differences between their work and ours:

1) They find related information such as activities, weather to infer the reason why the target has passed or stayed some places.
2) They calculated a value for each specific POI representing the possibility of that the target has gone for it. In accordance with plenty of such specific POI information from his or her trajectory, the habit or interest can be found.

3) Instead of closeness, they focus on both the attraction and avoidance in an interesting way. I asked more detail about this topic. The description of computing method is as follows:

   -First of all, they define the relationship expectation as the probability that two targets meet each other when the time sequences of their trajectories are disordered respectively.

   -Then, the real probability of their meet is calculated as well.

   -Finally, compare the relationship expectation and the real probability, we can know their relationship is a kind of attraction or avoidance. However, an example about gorillas shows that the attraction may be not generate from each other but other things such as food resources.

   (More detail can be found in this paper: Attraction and Avoidance Detection from Movements)

4) After the lecture, I asked professor Li about privacy, and she answered that privacy does indeed matter, thus they study more on animals rather than people.